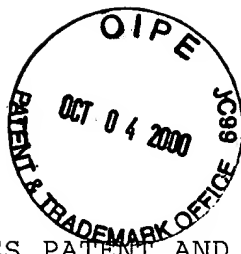


HOS-57



PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Naochika KOGURE, et al.

Serial No.: 09/629,949

Group: 1731

Filed: August 1, 2000

For: MULTI-LAYER EXPANSION-MOLDED ARTICLE OF POLYPROPYLENE RESIN, PRODUCTION PROCESS THEREOF, AND CONTAINER, SHOCK-ABSORBING MATERIAL FOR AUTOMOBILE AND AUTOMOTIVE MEMBER FORMED OF THE MULTI-LAYER EXPANSION-MOLDED ARTICLE OF POLYPROPYLENE RESIN

October 4, 2000

The Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

RECEIVED
OCT - 6 2000
TECHNOLOGY CENTER 1700

SUBMISSION OF INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with applicants' obligation to keep the United States Patent and Trademark Office informed of any information which may be deemed relevant to the examination of the subject application, applicants are herewith submitting the attached Form PTO-1449 listing the references of which applicants have become aware along with an abstract of each of the references.

JP 91059819 - Discloses a hollow moulding, having foaming layer, preparation comprising placing parison containing foaming material in mould and blowing in pressurized gas.

US 4874649 (JP 93050977) - Discloses blow mouldings with partly foamed wall produced by extruding composite tube of foaming resin layer inside solid polymer and expanding by blow moulding at moderate pressure.

JP 92079819 - Discloses manufacturing duct with foamed resin inner layer by multilayer blow moulding from polyethylene-polypropylene resin containing no foaming agent in outer layer and foaming agent in inner layer.

JP 95002391 - Discloses hollow body made of thermoplastic resin for engine air intake ducts has improved sound and heat insulation properties.

JP 4147832 - Discloses synthetic resin pipe, etc. with foam wall prepared by extruding foamable thermoplastic preform and expanded to produce internal pressure higher than outside pressure.

JP 6107038 - Discloses instrument panel for rolling stock comprises inflation moulded structure comprising polypropylene at polymer base layer containing filler, polypropylene at polymer foam layer and polyolefin elastomer outer skin.

JP 6285964 - Discloses production of blow molded products for instrument panels, etc. using metallic mould having fine pores for air suction in mold cavity wall.

JP 6312449 - Discloses mould internal foam product of high strength by preparing parison consisting of HDPE skin material and HDPE containing slowing agent as foam layer and injecting parison to mould.

JP 6335955 - Discloses foam duct manufacturer with reduced cost and construction time by feeding a foaming agent for core through an extruder between foaming agents for armour and interior part extruded through two other extruders.

JP 55116549 - Discloses multilayer synthetic resin hollow box production by extruding parison with inner foam resin layer, flattening with die and inflating parison.

JP 55156032 - Discloses plastic hollow object used for moulding casting, preparation of foam expandable polystyrene resin.

JP 58124637 - Discloses production of interior panels with soft surface for cars by extruding 3 resins to form parison with foamable resin layers between thermoplastic resin surface and inner layers.

JP 56044632 - Discloses plastic foam goods produced with thin plastic skin layer on its outer face.

US 5366674 (JP 6339979) - Discloses a process for producing an expanded plastic article with a skin, fills a blow-moulded hollow article with expanded beads which are then heated and fused.

JP 83010217 - Discloses casting plastic composite e.g. fishing float in one step, outer skin and inner foamed layer being integrated.

It is requested that the Examiner consider the Information Disclosure Statement and enter it into the file of the application.

Respectfully submitted,

SHERMAN & SHALLOWAY

A handwritten signature in cursive script, reading "Perry Carvellas", written over a horizontal line.

Perry Carvellas
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